

## **SECTION 4. COLISEUM MODULES**

### **4.1 COLISEUM-S Modules**

Three modules currently comprise the COLISEUM application. They are:

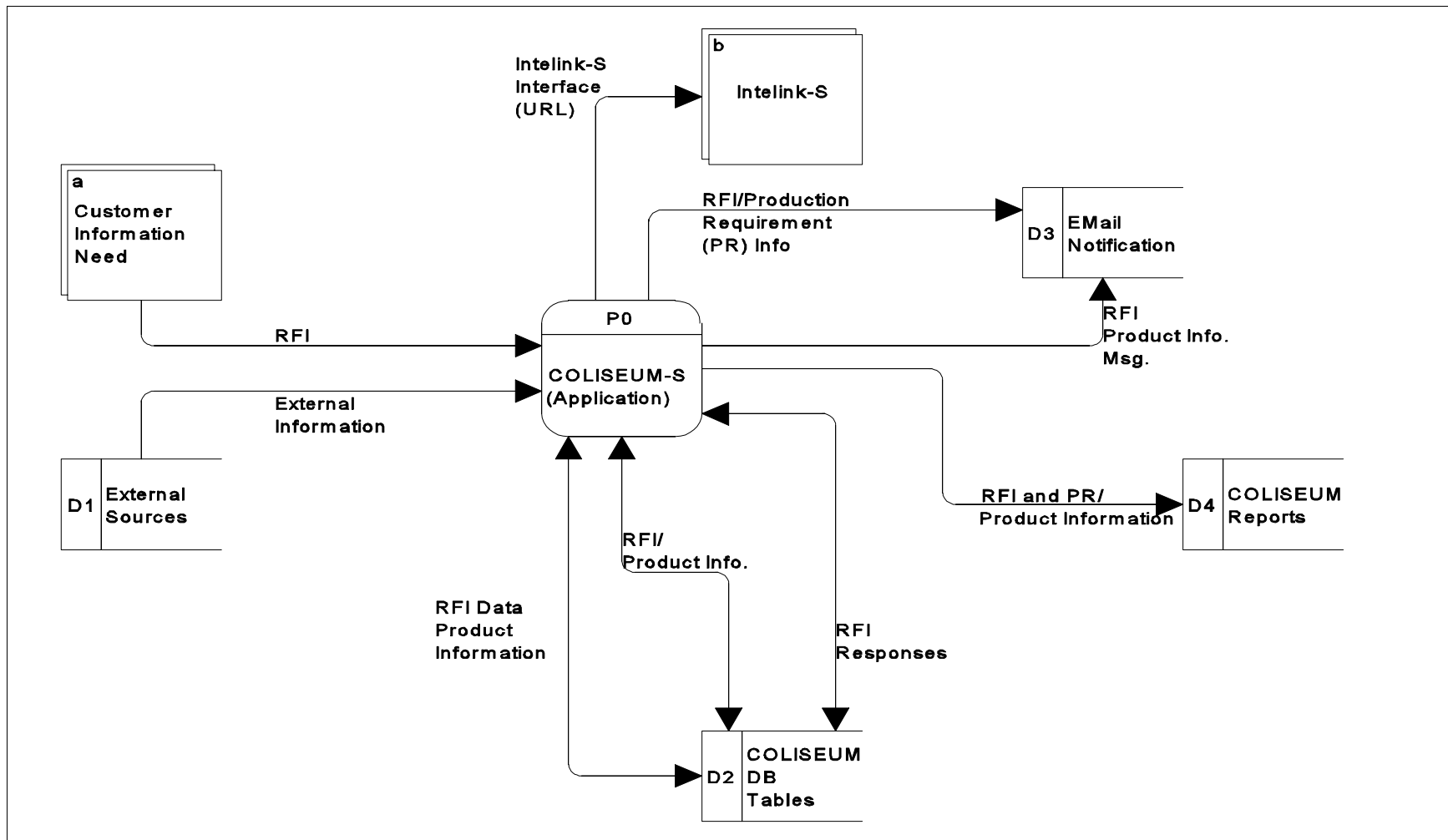
- Requests for Information Module;
- Production Module;
- Reports Module.

Two additional modules, originally self-contained, are the Assignment and Assessment modules which have been incorporated into the Production and Reports Modules, respectively.

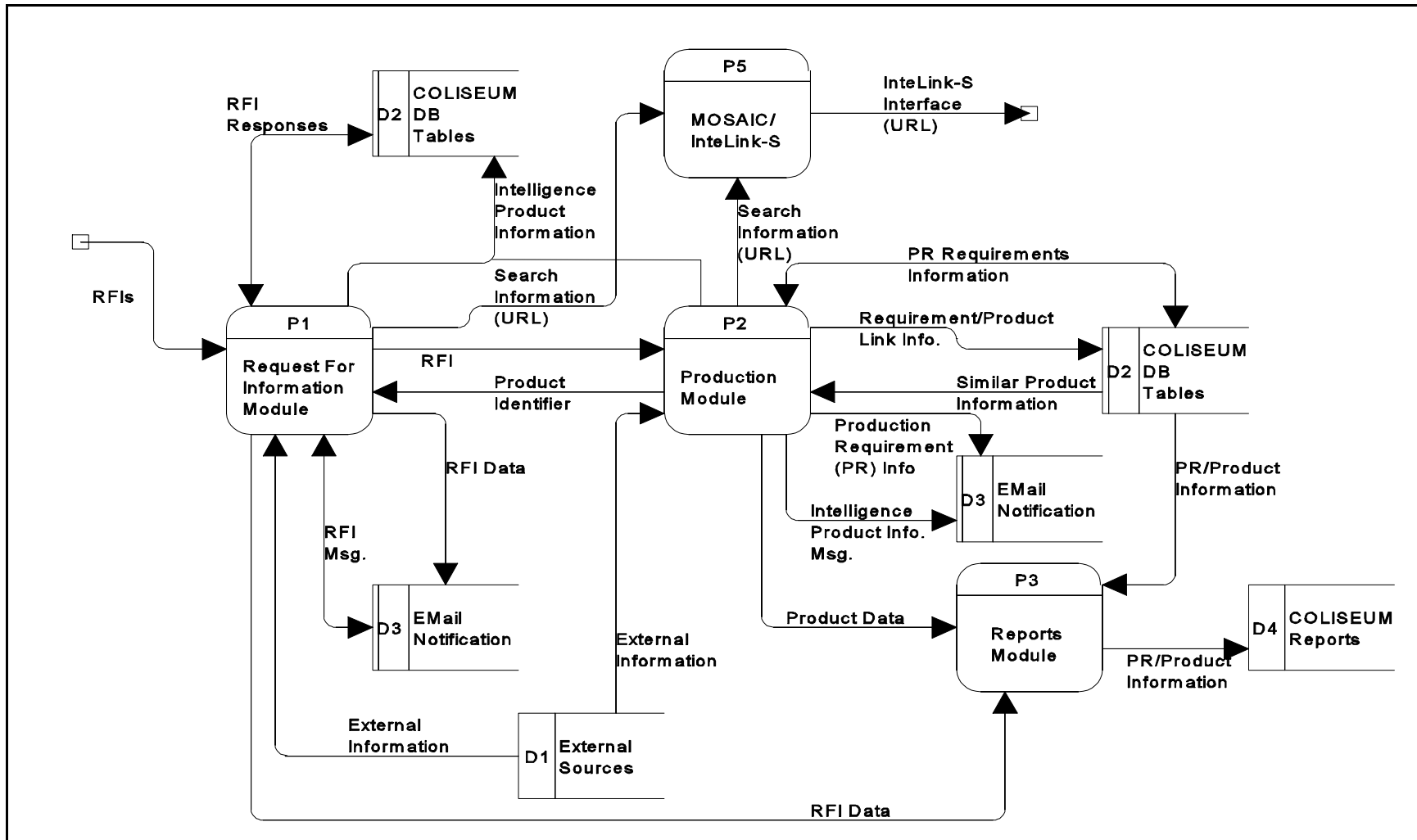
Additional modules will be added as requirements are identified and resources become available. A brief description of each of the COLISEUM-S application modules and their inter-relationships is provided in this Section. Information flow diagrams (at the modular level) have been included to illustrate the relationships discussed. Figure 4-1, COLISEUM-S Application Overview, presents a DFD that provides an overview of the COLISEUM-S application and its information flow. Figure 4-2, COLISEUM-S Modules, provides a DFD that shows the COLISEUM-S functional processes and the flow of information into and out of the functional processes. Additional information regarding each of the component objects in the diagrams may be found in Appendix C, Data Flow Diagram Component Definitions. The previous section (Section 3, COLISEUM-S Process), discussed the Production Requirements process in greater detail.

COLISEUM assists the user with the management of the RFI/PR from a customer. RFI/PR management includes:

- Acceptance and capture of the RFI from a customer;
- Assisting the user with the registration of the RFI;
- Automatically notifying organizations that may have interest in the RFI of the existence of the RFI via Email over the DSNET-1 secure wide-area network;
- Assisting the user with the validation of the RFI;
- Assigning RFI/PR to appropriate Production Center;
- Assisting the user with research required to locate existing Intelligence Products;
- Providing the user with access to Intelink-S to conduct searches for Products that may satisfy a PR;
- Automated tracking of the RFI/PR and its status;
- Recording and identification of intelligence products associated with a PR;
- Reporting the status and detailed information about the RFI/PR, or a number of RFIs/PRs, to the user;
- Notifying the customer that the RFI/PR has been satisfied;
- Identifying to the customer the Product(s) that satisfy a PR.



**Figure 4-1. COLISEUM-S Application Overview.** This data flow diagram illustrates the relationships of COLISEUM-S with sources of data, data repositories, and information provided. This diagram as well as definitions for each of the objects in the diagram may be found in the Appendix C, Data Flow Diagrams and Component Definitions.



**Figure 4-2. COLISEUM-S Modules.** This data flow diagram illustrates the relationships of the functional processes (modules) of COLISEUM-S with their sources of data, data repositories, and information output. Definitions for each of the objects in the diagram may be found in Appendix C, Data Flow Diagrams and Component Definitions.

## 4.2 Request for Information (RFI) Module

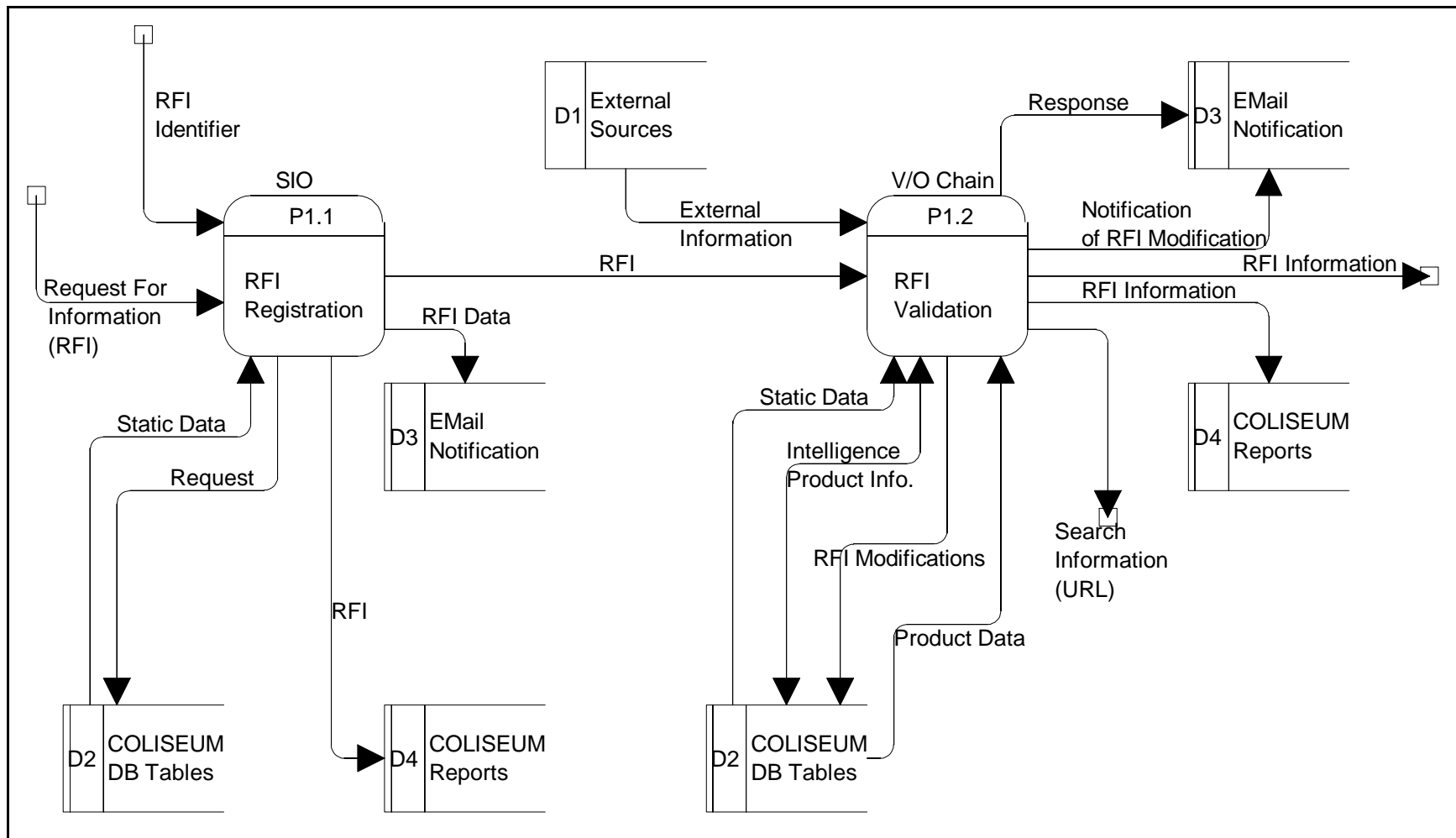
The Request for Information Module provides the user with an automated RFI registration process in support of both crisis and non-crisis requests. It provides the intelligence consumer a mechanism to register RFIs and then forward the RFI to the appropriate validating organization and, where applicable, to any additional higher validating authorities where the RFI is validated. Figure 4-3, COLISEUM Production Requirements Module, provides an overview of these functional subprocesses that occur within the RFI Module and the flow of information between the processes. These processes consist of the RFI Registration and RFI Validation submodules. Information for the generation of reports is passed to the Reports Module.

RFI registration minimally consists of assigning a RFI title, subject and statement of requirement to the PR. The RFI number is automatically supplied by COLISEUM and other identification or descriptive information is made available to the user by COLISEUM through the use of "pick lists". This information consists of a Country Code, IFC Code, Media Code, Organizations (organizations to be notified), and Fiscal Quarter/Fiscal Year Dissemination information. The Producer is determined automatically by COLISEUM based on the Country Code and the IFC Code selected or entered by the user. When RFI registration is complete, the RFI information entered is passed to the RFI validation process.

The Supporting Intelligence Office initiates the RFI process and the Validation Office validates the RFI. The process serves to verify that several security related criteria are met. These criteria include, but are not limited to:

- Does the requestor have clearances appropriate to the information requested?
- Is the information requested really needed?
- Is the information requested within the scope of the requestor's organizational mission?
- Has the information been previously requested or obtained?
- Does a means of collecting the information exist?
- What is the relative priority of the RFI?

During crisis situations, requirements for satisfying many of the validation criteria are suspended in order to decrease the time required to satisfy the RFI.



**Figure 4-3. COLISEUM-S Request for Information (RFI) Module.** This data flow diagram illustrates the relationships of the functional sub-component modules of the COLISEUM-S RFI Module with their sources of data, data repositories, and information output. Definitions for each of the objects in the diagram may be found in Appendix C.

As RFIs are fully validated for intelligence production, COLISEUM-S automatically identifies the responsible production center for assignment of primary responsibility based on the geographical location and functional subject area of the RFI. Information about the identified production center is automatically entered on the COLISEUM screen. This assignment may, however, be overridden by the validating authority if they need to. For requests comprising more than one responsible producer area, the RFI validator may select both primary and collaborative producers. This final validating authority is also empowered to override the collaborative producer system assignment criteria. COLISEUM-S will not allow assignment of production responsibility without an appropriate link to a validated requirement to ensure that production resources are being utilized to satisfy valid consumer requirements.

When validation is complete, COLISEUM-S automatically notifies the primary and collaborative production centers of the existence of any RFIs/PRs they might be interested in or that might impact the production center as well as those the production center has been assigned. This notification includes information regarding the status of the RFI/PR and proposed RFI/PR actions. Anytime the status of the RFI or PR is changed, notification messages are sent out to all organizations that have an interest in the PR (customer organization, primary production center, collaborative production centers, and any other organization identified by the user that is updating the RFI/PR status).

After reviewing the RFI/PR and coordinating with appropriate collaborative production centers, the primary production center sends the supporting intelligence office a Production Center Response (PCR) that discusses any proposed production actions. At any given time, the supporting intelligence office, acting on the behalf of the customer, and/or validator, may use COLISEUM to track the status of any RFI/PR. This RFI/PR tracking is accomplished through the originating organization and the producing organization. The supporting intelligence office, acting on behalf of the customer and the RFI/PR validator also may use COLISEUM-S to communicate and negotiate about RFI/PR actions proposed by the RFI/PR validator. After the customer has been notified of the RFI/PR actions, and if there is no response, the RFI/PR is forwarded to the primary and/or collaborative production centers to which it has been assigned.

### **4.3 Production Module**

The Production Module is the module responsible for managing, tracking, and reporting on Intelligence Product Information. It provides for the delivery of responses from a Production Center to the customer and allows the review and modification of Product Information and the status of products. The Production Module consists of two submodules, as shown in Figure 4-4, COLISEUM-S Production Module:

- Production Center Response
- Product Review/Modification

The Production Center Response submodule allows the Production Center personnel to review a PR, initiate a product, and notify the supporting intelligence office, on behalf of the customer, of the

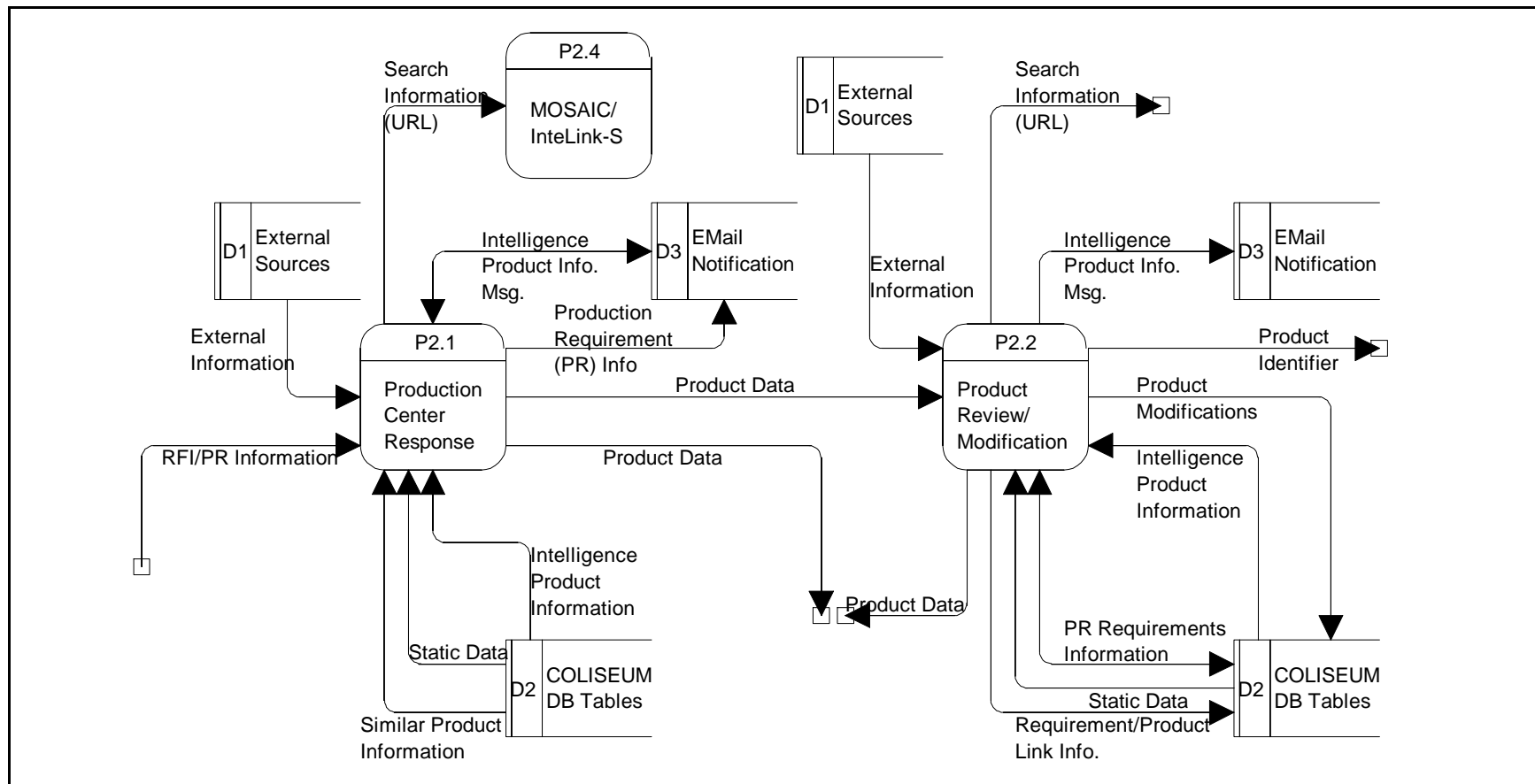
proposed response or the status of a product. The supporting intelligence office, on behalf of the customer, is automatically notified when the COLISEUM-S user "saves" the COLISEUM-S screen. This submodule also makes available to the community an on-line production schedule. Production Center Production Managers have the ability to input and maintain their annual scheduled production. In addition, deconfliction (the process of resolving conflicts between individual PRs) is accomplished as new information is submitted. An individual entering PR and/or product data has the ability to review existing PRs/products that are perceived to be duplicate entries prior to submitting a new request for production. As products are published and production schedule records closed-out, cross-reference information is made available by COLISEUM-S to assist the user in retrieving products and publications through DoDIIS Dissemination.

The Product Review/Modification submodule allows any user with access to COLISEUM-S to review product information. Only Production Center personnel are allowed to modify product information, however. Product information updates that might occur include, but are not limited to, the following:

- Product status changes;
- Associate RFIs/PRs with Products that satisfy the RFI/PR via a Product Identifier;
- Adding links to additional RFIs/PRs satisfied by the Product;
- Updating Product descriptive information to maintain Product currency;
- Identifying similar Products;
- Identifying additional organizations that are to receive a Product.

The Product Identifier is a unique identification code for a specific intelligence product. This code is used to link a specific product(s) with any RFI or PR(s). This code is assigned in the Production Module and then is passed to the RFI Module. Use of the Product Identifier allows a user to open a "pick-list" of Products associated with any RFI/PR and select one or more of the Products for review. Alternatively, the user may also open a "pick-list" of RFIs/PRs which are satisfied or partially satisfied by a particular product.

It is possible that information from existing products will satisfy an RFI/PR. It is, therefore, necessary to search for and examine pre-existing products prior to issuing a PR. This would allow the user to answer an RFI/PR with an investment of the least effort and time. The user may obtain existing Product and other Product related information that is not available in COLISEUM-S by using IntelLink-S.



**Figure 4-4. COLISEUM-S Production Module.** This data flow diagram illustrates the relationships of the functional subcomponent modules of the COLISEUM-S Production Module with their sources of data, data repositories, and information output. Definitions for each of the objects in the diagram may be found in Appendix C.



COLISEUM-S has the capability to facilitate product searches by retrieving and storing organizational or site Universal Resource Locators (URLs) in the COLISEUM-S database. When a user needs to search for a product that a specific organization has listed as available at their Intelink site, COLISEUM-S will provide, from its database, the URL for that site to MOSAIC. MOSAIC is Intelink-S' (commercially available) network site browsing tool that the user may use to review document information (titles, abstracts, documents - whatever the site has made available) at sites on the Intelink network. If a user locates a specific product they want to review, the product must be obtained from the site via a download procedure that is external to COLISEUM-S. COLISEUM-S identifies products that satisfy RFIs/PRs but does not store or obtain finished products. Additional specific information regarding the COLISEUM-S/Intelink-S Interface may be found in Appendix D, COLISEUM-S - Intelink-S Interface CONOPS.

## **4.4 Reports Module**

The reports module makes available to its users, a capability to obtain production management information by utilizing either various pre-defined or user-assembled reports. COLISEUM-S, however, does not currently provide users with a pure *ad hoc* reporting capability. In addition to the reporting capability described below, COLISEUM-S allows production managers and functional managers to maintain information in the COLISEUM-S database regarding production resource utilization, producer assessments, RFI/PR satisfaction assessments and production shortfalls. This assessment support information is available for use when assessing performance, resource utilization and for planning purposes.

### **4.4.1 Pre-defined Reports**

COLISEUM-S' pre-defined reports consist of a variety of informational and managerial types of reports.

#### **4.4.1.1 Informational Reports**

The informational reports presently available include:

- Formatted RFI/PR information obtained from the screen - there are several reports in this category. The report layout is determined by the screen information selected by the user for inclusion in the report. These reports include routine listings based on queries on IFC Code, country, producer, date, etc.;
- Production Center Responses - copies of Production Center customer responses;
- History Report - This is a review of the history of an RFI/PR or a group of RFIs/PRs. It identifies all the organizations that have processed the RFI/PR, the dates the RFI/PR was at an organization for work, the date the RFI/PR left an organization, and the action performed on the RFI/PR at each location;

- RFI/PR Summary Report - This report includes status and process flow information on active RFIs/PRs;
- RFI/PR Detail Report - This report contains detailed information about one or more specific RFIs/PRs. There are three formats for this report. The format selected depends on the information desired by the user.

In the future, a graphics capability will also be available to provide the capability for the user to produce Pie, Bar, Area, Line Column, and 3-D charts.

#### **4.4.1.2 Management Reports**

Routine managerial reports require a more extensive search capability than the informational reports presented above. Examples of the managerial reports include those which indicate:

- the number of late RFIs/PRs;
- number of non-validated RFIs/PRs;
- scheduled products for a given fiscal year;
- products not produced as scheduled.

These reports can be used to determine bottlenecks in the validation, production tasking, dissemination, or RFI/PR closure phases of the RFI/PR process. Retrieval of producer and product information will provide the capability to report on intelligence product status for specific PRs, organizations, and activity within each production center.

#### **4.4.2 User-defined Reports**

In order to accommodate more unique, tailored requirements, COLISEUM-S will, in the future include a user-defined or *ad hoc* report capability. This capability will be recommended for use by advanced COLISEUM-S users who are thoroughly familiar with the contents of the COLISEUM-S database and with the complexities of the database structure and system architecture.